

Variable Precipitation

Four days were suitable for fieldwork during the week ending June 19, according to the USDA-NASS-Michigan Statistical Office. Precipitation amounts ranged from 0.13 in the west central Lower Peninsula to 1.36 inches in the east central Lower Peninsula. Average temperatures ranged from 2 degrees below normal in the southwest and south central Lower Peninsula to 1 degrees above normal in the northeast Lower Peninsula. Precipitation has been varied across the State, with moderate drought conditions in eastern Upper Peninsula, northern part of the Lower Peninsula, and the southeast portion on the State. In the northwest, a farmer mentioned, “While much of the State has received rainfall, we had a few misty hours.” A farmer in central Michigan stated, “Another week of wet weather, there have been a few fields sprayed, but the ground is very wet with rain every day.” Then, in the southeast, a farm mentioned, “The heat has subsided, which has helped lessen stress on drought stricken crops. Very little rain has fallen, less the one-half inch for the month.”

Field Crops

Weather varied this week from warm and muggy to cool and dry. Most areas received adequate or surplus precipitation. There have been localized reports of hail and severe thunderstorms. **Corn** growth accelerated in the warm temperatures of the early week. Some fields were at the 7 to 8 leaf stage. **Soybeans** continued to progress. Weed control has become a problem in some areas where windy and rainy conditions have prevented pesticide applications. There have been some reports of excess rain drowning out fields. **Sugarbeet** stands varied in growth stages. The first cutting of **alfalfa** neared completion despite setbacks due to wet weather. Regrowth on cut fields looked good. **Winter wheat** fields varied greatly. Some fields were heading or flowering while others were at grain fill. **Oats** looked good and many fields were heading. **Barley** also continued to look good. **Dry bean** planting neared completion. Excess soil moisture has slowed progress.

Soil moisture for week ending 06/19/05

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	9	16	51	24
Subsoil	8	22	57	13

Crop condition for week ending 06/19/05

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	1	6	31	48	14
Barley	1	2	38	42	17
Corn	1	3	25	53	18
Oats	1	4	21	56	18
Pasture	4	10	35	41	10
Soybeans	1	6	28	51	14
Winter Wheat	1	10	31	48	10

Fruit

In the southwest, **apples** were larger than an inch in diameter and fruit were still dropping. In the southeast, apples were growing larger than 1.25 inches in diameter. Two pest problems reported on apples were potato leafhopper and fire blight flagging on terminal growth. Chemical thinning on apples seems to have worked well this year in the Grand Rapids area, where there was a nice fruit set. In the west central, apples were growing well. In the southwest, birds were problematic to **sweet cherries**. In the southeast, sweet cherries continued to size nicely. In the west central, sweet cherries were coloring but not increasing very much in size. **Tart cherries** growth has been slow in the southeast. Tart cherries continued changing color from green to straw in the west central. **Peach** pit hardening continued in the southwest. In the southeast, peaches continued to size well, with most being about 1.25 inches in diameter. In the west central, peaches were greater than an inch in diameter. The crop load was very good. In the southwest, **apricot** trees in sandy sites were showing drought stress and wilting. Juice **grape** bloom ended in the southwest, and Vinifera grapes continued blooming. In the southeast, grapes showed about 12 to 15 inches of new growth and flowers were blooming. In the northwest, shoot growth and development of grapes moved rapidly, with most cultivars starting to bloom.

Vegetables

Vegetable crops were steadily growing and received some much needed rain throughout the State. **Asparagus** harvest continued but in many areas harvest was near completion. **Cabbage** harvest was well underway. The **carrot** crop continued to do well with irrigation applied on many fields. **Onions** looked good at this time. **Potatoes** planted early were in full bloom. In some areas, **snap beans** were heavily infested with bean leaf beetles; however, controls were applied in most fields. **Sweet corn** was growing rapidly. Many **squash**, **zucchini**, and **cucumbers** were in flower and some tunnels continued to be harvested. **Spinach** harvest continued. **Tomato** planting was completed with early tomatoes beginning to blossom. **Peppers** were making good growth with some at early flower.

Crop progress for week ending 06/19/05

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	14	8	11	9
	Percent	Percent	Percent	Percent
All hay, first cutting	71	65	47	49
Asparagus, harvested	98	87	95	95
Dry beans, planted	64	57	62	58
Dry beans, emerged	39	15	10	18
Oats, headed	59	37	30	29
Potatoes, emerged	92	77	89	NA
Soybeans, emerged	98	95	75	81
Strawberries, harvested	57	26	66	NA
Winter wheat, turning yellow	22	NA	NA	NA

Michigan Weather Summary for Week Ending 06/19/05 <sup>1</sup>												
Station	Temperature			Cumulative growing degree days <sup>2</sup>			Precipitation					
	Maximum	Minimum	Departure from normal	2005	2004	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal Since April 1	Normal For month
Ironwood	84	41		653	484		1.06	1.80	2.34	6.51		
Marquette	83	44		580	425		1.32	1.57	3.35	7.33		
Stephenson	80	42		673	595		0.83	1.85	2.35	5.36		
<b>Western UP</b>	84	41	-1	610	473	524	1.12	1.84	2.80	6.11	7.85	3.61
Cornell	80	40		586	471		0.15	0.53	1.56	4.54		
Sault St Marie	79	49		545	327		0.44	0.54	1.07	3.83		
<b>Eastern UP</b>	81	40	1	554	385	396	0.51	0.71	1.36	4.47	7.24	3.26
Beulah	84	48		771	612		0.19	0.19	0.35	3.40		
Lake City	81	45		714	619		0.15	0.79	1.12	4.43		
Old Mission	85	49		695	537		0.30	0.41	0.82	3.55		
Pellston	84	42		698	553		0.21	0.67	1.21	3.71		
<b>Northwest</b>	85	42	0	697	553	617	0.30	0.69	1.01	3.74	7.13	3.03
Alpena	86	42		627	542		0.93	1.74	2.11	4.54		
Houghton Lake	82	41		725	660		0.52	1.05	1.23	3.55		
Rogers City	84	43		667	517		0.90	1.46	2.04	4.65		
<b>Northeast</b>	86	41	1	700	591	585	1.04	1.57	2.02	4.64	7.12	2.90
Fremont	85	48		834	776		0.29	0.79	1.02	2.64		
Hart	84	48		790	699		0.22	0.34	0.49	3.09		
Muskegon	82	50		829	774		0.02	0.02	0.12	2.69		
<b>West Central</b>	87	45	0	806	732	696	0.13	0.31	0.45	2.68	7.75	2.94
Alma	83	51		846	832		1.47	1.79	1.96	4.14		
Big Rapids	83	49		813	796		0.01	0.01	0.01	1.33		
<b>Central</b>	84	47	0	824	811	746	1.31	1.53	1.68	3.57	7.93	3.36
Bad Axe	85	50		755	705		1.29	2.96	4.16	7.35		
Pigeon	84	48		732	688		1.40	3.65	4.57	6.29		
Saginaw	83	50		773	805		2.03	2.26	3.44	6.66		
Standish	84	48		761	704		1.42	2.24	3.77	6.27		
<b>East Central</b>	86	47	-1	738	736	723	1.36	2.46	3.94	6.73	7.14	3.08
Fennville	83	49		857	814		0.02	0.13	0.44	2.32		
Grand Rapids	82	50		880	975		1.52	5.66	6.66	9.41		
Holland	81	51		883	862		0.18	0.18	0.28	1.43		
South Bend, IN	84	49		964	1,057		0.10	0.74	1.69	3.60		
Watervliet	83	50		915	919		0.38	1.15	1.81	4.01		
<b>Southwest</b>	85	46	-2	904	927	799	0.31	1.09	1.61	3.77	8.54	3.55
Belding	83	47		823	878		3.59	4.37	5.75	8.81		
Coldwater	83	47		844	893		0.77	1.79	2.32	4.69		
Lansing	84	49		879	912		0.36	3.99	4.88	7.22		
<b>South Central</b>	84	47	-2	869	934	802	0.76	2.28	2.92	5.43	8.21	3.57
Detroit	89	52		911	977		0.17	0.82	1.37	4.46		
Flint	85	44		836	964		0.78	1.74	2.05	4.60		
Romeo	87	47		806	869		0.57	1.15	2.03	5.70		
Tipton	85	48		888	901		0.30	0.85	1.57	4.89		
Toledo, OH	90	52		930	1,060		0.03	0.31	0.75	4.50		
<b>Southeast</b>	92	44	-1	865	947	768	0.59	1.36	2.01	5.50	8.14	3.36

<sup>1</sup> Issued by the Federal/State Michigan Agricultural Statistics Service in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

<sup>2</sup> Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.